
CHIRAL LASER PROJECTION DISPLAY APPARATUS AND METHOD

ABSTRACT

5 A thin chiral film display is provided in several embodiments. In one inventive embodiment, red, green and blue chiral film lasers are placed in front of corresponding red, green and blue LCD panels connected to a video signal source. The resulting red, green and blue signal components are combined and output through a projection lens onto a screen or other surface. In another 10 inventive embodiment, red, green and blue chiral film lasers are pixellated and each connected to a video signal source. The pixels are under the control of the video signal source and serve to replace the LCDs from the previously described embodiment. The resulting red, green and blue signal components are combined and output through a projection lens onto a screen or other surface. In another 15 inventive embodiment, red, green and blue chiral film lasers are pixellated and each connected to a video signal source. The pixellated chiral film lasers are then stacked on to of one another to form a combined color signal from resulting red, green and blue signal components. The combined color signal is then output through a projection lens onto a screen or other surface. In an alternate 20 embodiment of the invention, the projection lens is eliminated.